

FIG. 1

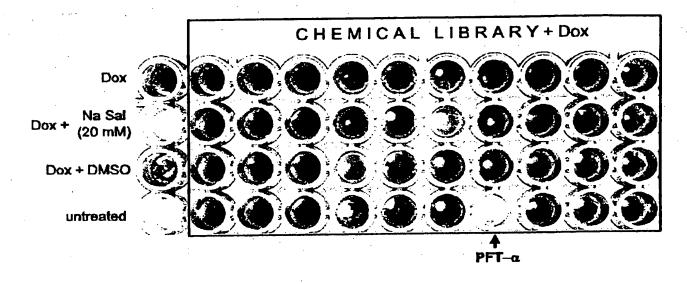


FIG. 4

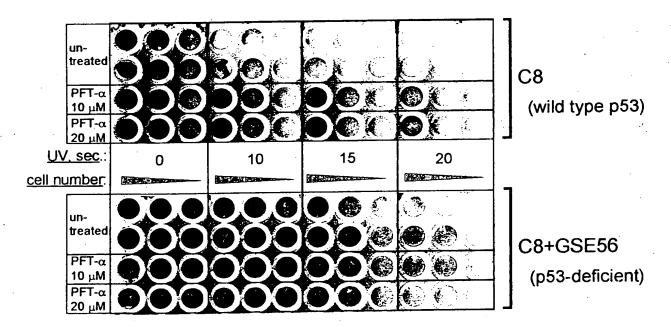


FIG. 2b FIG. 2a Natural p53 targets p53-responsive  $\beta$ -(northern) galactosidase activity 60 PFT UV **PFT** u/t 50 cyclin G 40 fold induction **→** p21 30 → mdm2 20 10 **◆** GAPDH 0. UNITET(20)

FIG. 3

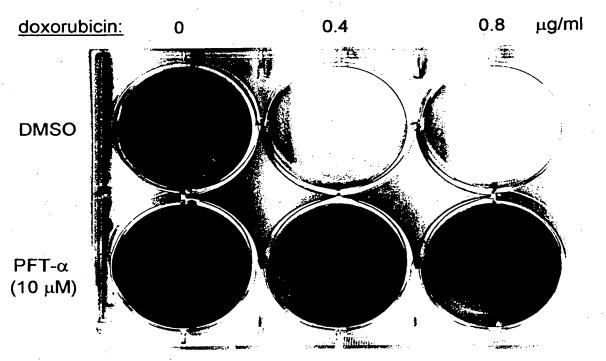
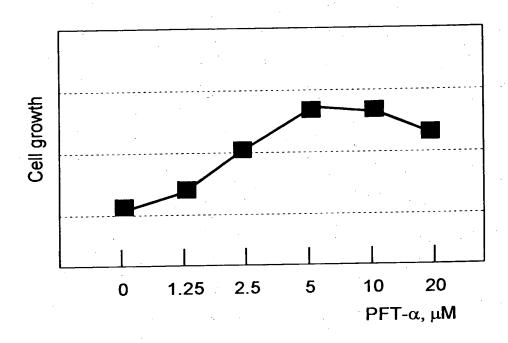


FIG. 5a



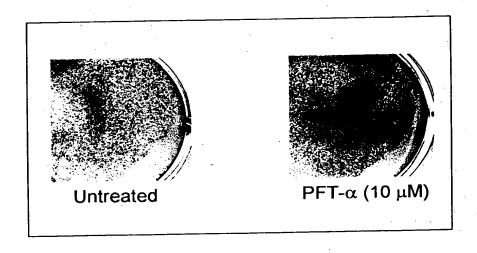
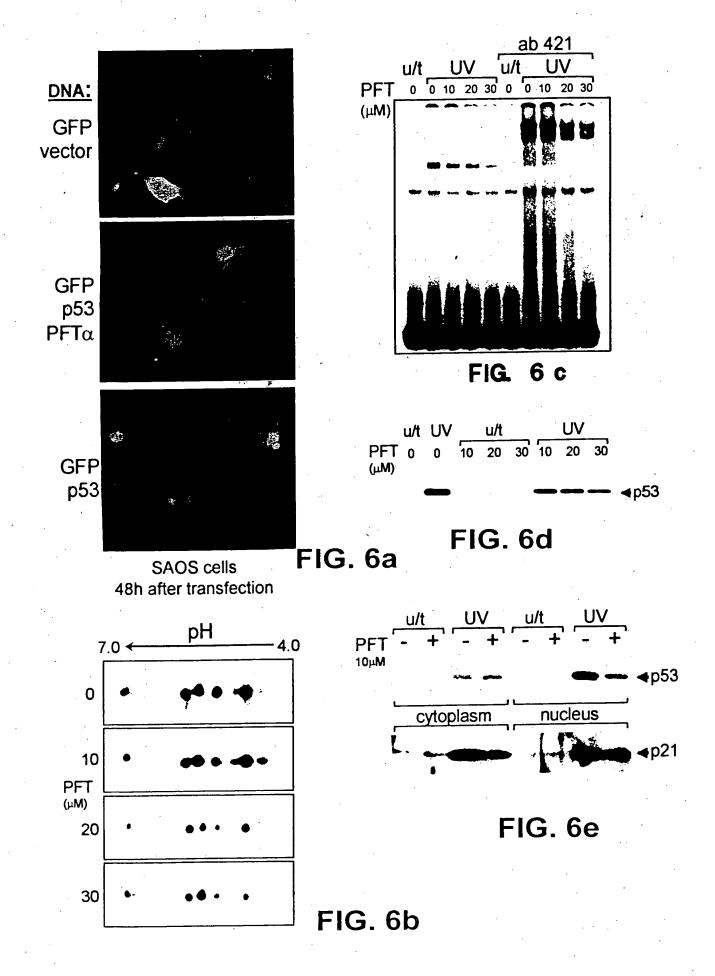


FIG. 5b



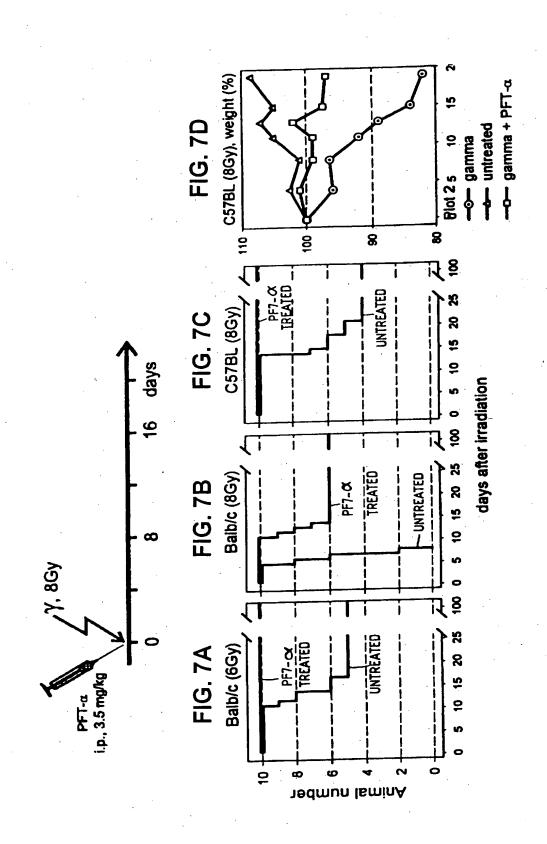


FIG. 8

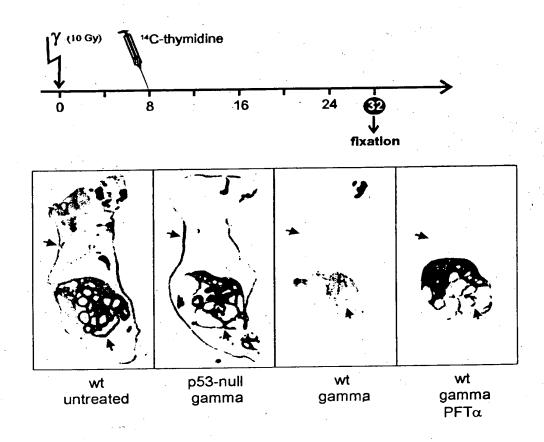
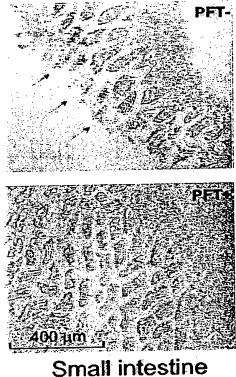


FIG. 9



Small intestine (8Gy, 24h)

FIG. 16

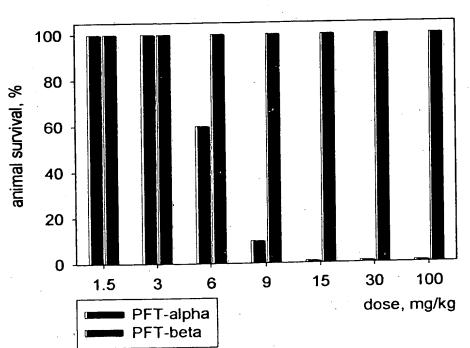
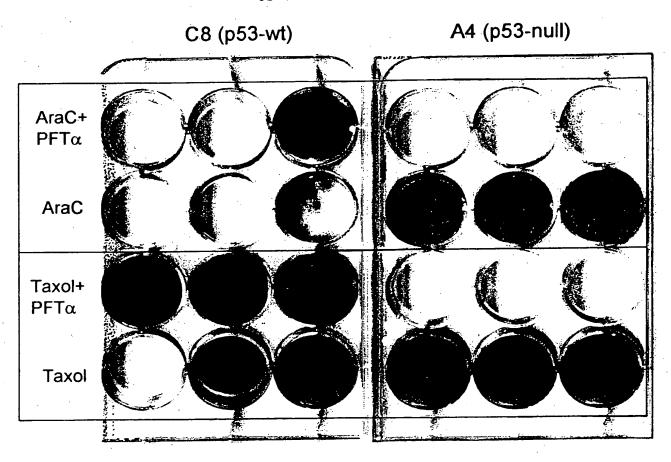


FIG. 10

### Pifithrin- $\alpha$ increases resistance of C8 cells and sensitizes A4 to Taxol and AraC



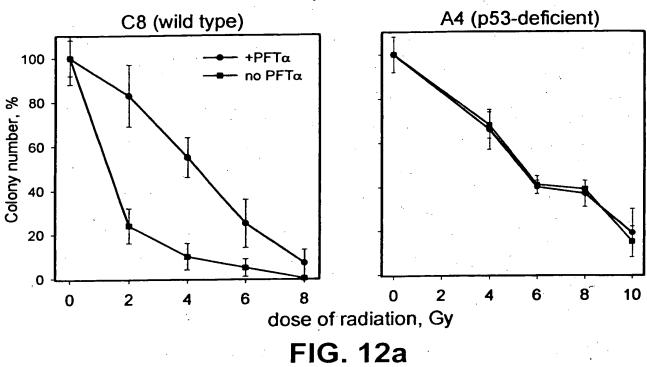
cell survival, %% 20 16 24 32 40 48 time, hours no PFT-a 0 - +3 ω -16 -8

FIG. 11B

FIG. 11A

9





#### Human diploid fibroblasts

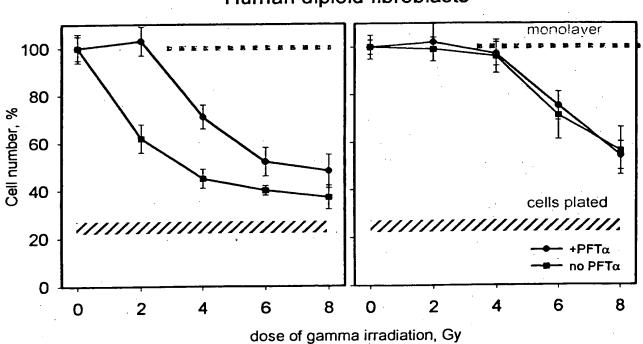
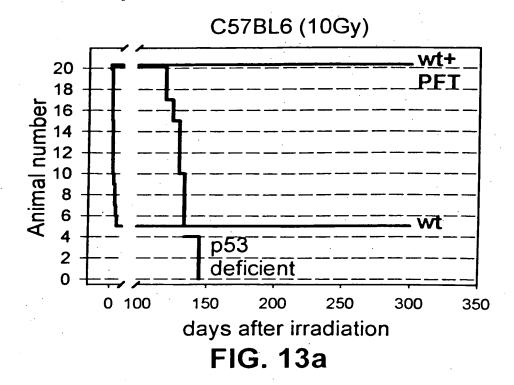
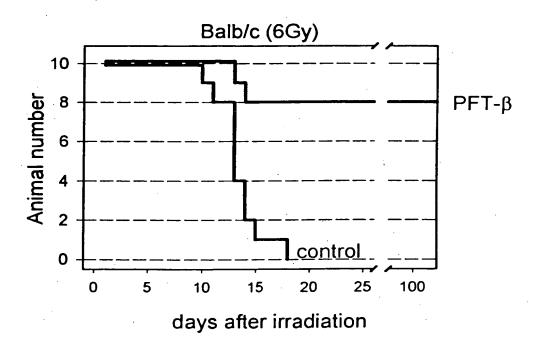


FIG. 12b

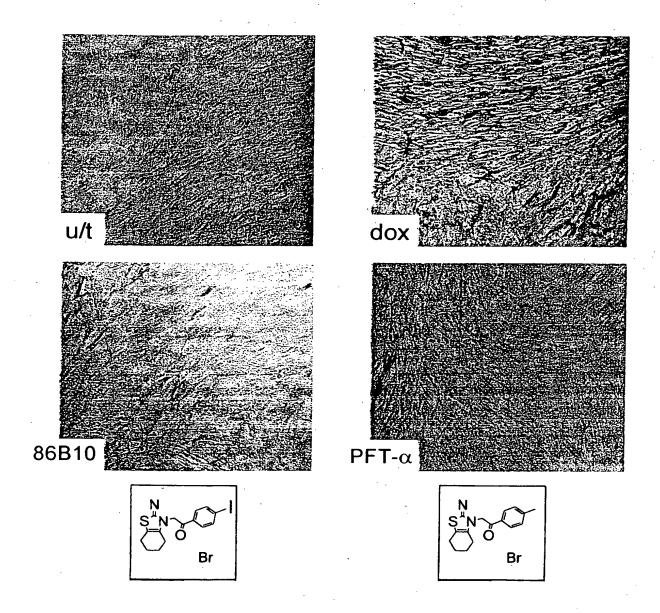
## Radioresistance of PFT-treated mice is not accompanied by accelerated cancer development



#### Radioprotective effect of PFTß in vivo



**FIG. 13b** 



FIQ. 14

FIG. 15

# Effect of PFTβ on LLC tumor response to cyclophosphamide in C57BL mice

